U.S. Palent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

APPLICATION AS FILED		bslitute f	– PART I		SMALL ENTITY			OR	OTHER THAN SMALL ENTITY		
	· (Column	1)	(Coļumr	n 2)	SMAL	L ENI	117	OK	SMALL	ENII	1 Y
. FOR .	NUMBER F	ILED	NUMBER E	XTRA	RATE (\$		FEE (\$)		RATE (\$)	F	EE (\$)
ASIC FEE 7 CFR 1.16(a), (b), or (c))									•		
EARCH FEE 17 CFR 1.16(k), (I), or (m))							•				
XAMINATION FEE. 37 CFR 1.16(0), (p), or (q))											
OTAL CLAIMS 37 CFR 1.16(i))	m	ninus 20 =			1 \$\$	=		OR	x =		
NDEPENDENT CLAIMS 37 CFR 1.16(h))	1	minus 3 =			×	=			x =		
APPLICATION SIZE FEE 37 CFR 1.16(s))	sheets of pa is \$250 (\$12 additional 50	iper, the 25 for sm 0 sheets	nd drawings exc application size (all entity) for ea or fraction there (3) and 37 CFR	e fee due ach eof. See							
MULTIPLE DEPENDENT								Ì			
* If the difference in colur	mn 1 is less than :	zero ente	er "O" in column 2.		TOTA	ι			TOTAL		
8-21-11	1		(Column 2)	(Column 3)	\$1./	KÁLL Æ	NITITY	OR		ER TH	
2	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE	(\$)	ADDI- TIONAL FEE (\$)	OR	OTHI SIMAL RATE (\$)		
2	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER	PRESENT	1	$\neg \tau$	ADDI- TIONAL	OR	SMAL		ADDI- TIONAL
2	CLAIMS REMAINING AFTER AMENDMENT	Minus Minus	HIGHEST NUMBER PREVIOUSLY	PRESENT	RATE	(\$)	ADDI- TIONAL		SMAL	L, EN	ADDI- TIONAL
Z Total (37 CFR 1.16(h)) O Independent (37 CFR 1.16(h))	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY	PRESENT	RATE	(\$)	ADDI- TIONAL	OR	SMAL	L, EN	ADDI- TIONAL
Total (37 CFR (.16(h)) Independent (31 CFR (.16(h)) Application Size F	CLAIMS REMAINING AFTER AMENOMENT	Minus (s))	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	X X	= =	ADDI- TIONAL	OR	RATE (\$)	L, EN	ADDI- TIONAL
Total (37 CFR (.16(h)) Independent (31 CFR (.16(h)) Application Size F	CLAIMS REMAINING AFTER AMENOMENT Fee (37 CFR 1.16)	Minus (s))	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	= =	ADDI- TIONAL	OR OR	SMAL	= = =	ADDI- TIONAL
Total (37 CFR (.16(h)) Application Size F	CLAIMS REMAINING AFTER AMENOMENT Fee (37 CFR 1.16)	Minus (s))	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	XXX	= =	ADDI- TIONAL	OR OR	X X TOTAL	= = =	ADDI- TIONAL
Total (32 CFR 1.16(1)) Independent (32 CFR 1.16(h)) Application Size F FIRST PRESENTAT	CLAIMS REMAINING AFTER AMENOMENT Fee (37 CFR 1.16)	Minus (s))	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	XXX	= = FEE	ADDI- TIONAL	OR OR	X X TOTAL	= -	ADDI- TIONAL
V Total (12 CFR 1.16(1)) O Independent (12 CFR 1.16(1)) Application Size F FIRST PRESENTAT	CLAIMS REMAINING AFTER AMENOMENT Fee (37 CFR 1.16) TION OF MULTIPLE (Column 1) CLAIMS REMAINING AFTER	Minus (s))	HIGHEST NUMBER PREVIOUSLY PAID FOR TO CLAIM (37 CF) (Column 2) HIGHEST NUMBER PREVIOUSLY	PRESENT EXTRA R 1.16(j)) (Column 3) PRESENT	X X TOTAL ADD'L	= = FEE	ADDI- TIONAL FEE (\$)	OR OR	X X TOTAL ADD'L FEE	= -	ADDI- TIONAL FEE (\$) ADDI- TIONAL TIONAL TIONAL
Total (37 CFR 1.16(1)) Independent (37 CFR 1.16(1)) Application Size F FIRST PRESENTAT	CLAIMS REMAINING AFTER AMENOMENT Fee (37 CFR 1.16) TION OF MULTIPLE (Column 1) CLAIMS REMAINING AFTER	Minus (s)) DEPENDE	HIGHEST NUMBER PREVIOUSLY PAID FOR NT CLAIM (37 CFI (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA R 1.16(j)) (Column 3) PRESENT EXTRA	X X TOTAL ADD'L	(\$) = = FEE	ADDI- TIONAL FEE (\$)	OR OR OR	X X TOTAL ADD'L FEE	= =	ADDI- TIONAL FEE (\$) ADDI- TIONAL TIONAL TIONAL TIONAL
Total (37 CFR 1.16(1)) Independent (37 CFR 1.16(1)) Application Size F FIRST PRESENTAT	CLAIMS REMAINING AFTER AMENOMENT Fee (37 CFR 1.16) TION OF MULTIPLE (Column 1) CLAIMS REMAINING AFTER	Minus (s)) DEPENDE Minus Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR NT CLAIM (37 CFI (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA R 1.16(j)) (Column 3) PRESENT EXTRA	X X X X X X X X X X X X X X X X X X X	(\$) = = FEE	ADDI- TIONAL FEE (\$)	OR OR OR	X X X TOTAL ADD'L FEE	LL EN	ADDI- TIONAL FEE (\$) ADDI- TIONAL TIONAL TIONAL
Total (12 CFR 1.16(1)) WY Total (12 CFR 1.16(1)) Application Size F FIRST PRESENTAT Total (13 CFR 1.16(1)) UN Total (13 CFR 1.16(1)) UN Application Size F FIRST PRESENTAT	CLAIMS REMAINING AFTER AMENDMENT Fee (37 CFR 1.16) TION OF MULTIPLE (Column 1) CLAIMS REMAINING AFTER AMENDMENT	Minus (s)) DEPENDE Minus Minus 6(s))	HIGHEST NUMBER PREVIOUSLY PAID FOR NT CLAIM (37 CF) (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA R 1.16(j)) (Column 3) PRESENT EXTRA =	X X X X X X X X X X X X X X X X X X X	= = . FEE .	ADDI- TIONAL FEE (\$)	OR OR OR	X X X TOTAL ADD'L FEE	= = ;; ,,	ADDI- TIONAL FEE (\$) ADDI- TIONAL TIONAL TIONAL

"If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

"If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of Information is required by 37 CFR 1.16. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gatheting, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chlet Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.